

Please amend the application as follows:

In the Claims

Please cancel Claim 22.

Please amend Claims 17, 18, 21, 23, and 25.

A1

(17) (Amended) An organ preservation solution for the preservation of a human or human-compatible harvested organ in a functioning state comprising:

- (1) a metabolizable carbohydrate;
- (2) sodium chloride;
- (3) potassium ion;
- (4) calcium ion;
- (4) magnesium ion;
- (6) bicarbonate ion;
- (7) epinephrin;
- (8) adenosine; and
- (9) at least one fatty acid;

wherein said solution is substantially free of non metabolizable impermeants; and further wherein said solution has a pH of about 7.4 to about 8.5.

18. (Amended) A solution according to Claim 17 wherein said solution further comprises a pharmaceutically active agent selected from the group consisting of heparin, nitroglycerin, an ACE inhibitor, a beta blocker, a calcium channel blocker, a cytoprotective agent, an antioxidant, an anti-fungal agent, an anti-viral agent, an anti-bacterial agent, an immunosuppressive agent, a nonsteroidal anti-inflammatory agent, a steroid, vitamins and mixtures thereof.

A2 21. (Amended) A solution according to Claim 18 wherein said metabolizable carbohydrate is glucose.

A3 23. (Amended) A method of preserving a human or human-compatible harvested organ in a functioning state during a preservation period prior to implantation comprising:

- A11
- (a) providing an organ in need of preservation;
 - (b) providing containment means for said organ;
 - (c) providing a preservation fluid media; said fluid media comprising:
 - (i) whole blood or leukocyte-depleted whole blood that is compatible with said organ; and
 - (ii) a preservation solution comprising:
 - (a) a metabolizable carbohydrate;
 - (b) sodium chloride;
 - (c) potassium ion;
 - (d) calcium ion;
 - (e) magnesium ion;
 - (f) bicarbonate; epinephrin; and adenosine;
 - (d) delivering said fluid media to at least one major vessel of said contained functioning organ while said organ is maintained at a normothermic temperature of about 20° C. to about 37° C.

A4 25. (Amended) A method according to Claim 23 wherein said media further includes a pharmaceutically active agent selected from the group consisting of nitroglycerin, an ACE inhibitor, a beta blocker, a calcium channel blocker, a cytoprotective agent, an antioxidant, an anti-fungal agent, an anti-viral agent, an anti-bacterial agent, an immunosuppressive agent, a nonsteroidal anti-inflammatory agent, a steroid, and mixtures thereof.

Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages i - ii).